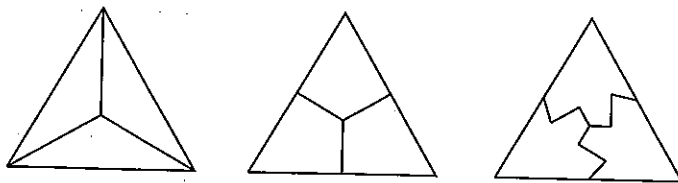


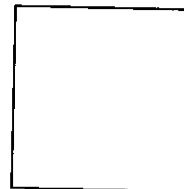
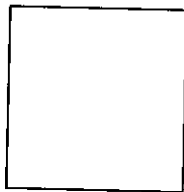
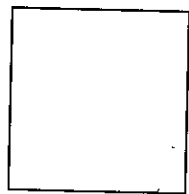
4-4

Enrichment***Congruent Parts of Regular Polygonal Regions***

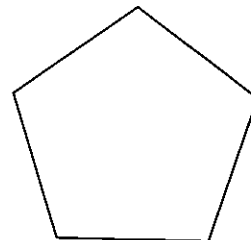
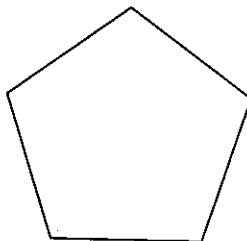
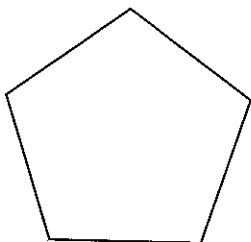
Congruent figures are figures that have exactly the same size and shape. There are many ways to divide regular polygonal regions into congruent parts. Three ways to divide an equilateral triangular region are shown. You can verify that the parts are congruent by tracing one part, then rotating, sliding, or reflecting that part on top of the other parts.



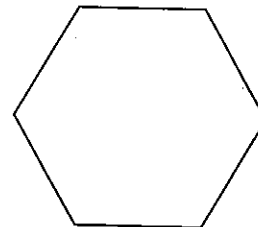
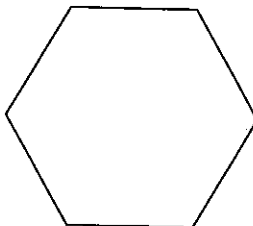
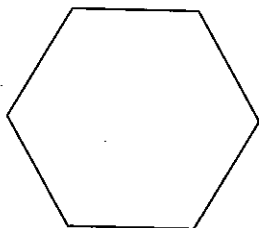
1. Divide each square into four congruent parts. Use three different ways.



2. Divide each pentagon into five congruent parts. Use three different ways.



3. Divide each hexagon into six congruent parts. Use three different ways.



4. What hints might you give another student who is trying to divide figures like those into congruent parts?